AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph on page 22, lines 4-14, as follows:

Meanwhile, by performing competitive reaction between the chip for detecting DNA according to the present invention and the target DNA with different concentration and measuring electrochemical signals therefrom and drawing calibration curve for the change of the concentration, unknown amount of the target DNA can be electrochemically quantified.

Table 1 (SEQ ID NOS 1-4, respectively)

DNA type	Base sequence
Signaling DNA	5' ~~FcFc~~ Fe-Fe G CGG GGA GCA G 3'
Target DNA	5' GCC ACG CGG GGA GCA G 3'
Negative comparative DNA	5' CCG ATG GAC GCA CCG G 3'
Probe DNA	5' CTG CTC CCC GCG TGG C 3'

Although the present invention has been described in conjunction with the preferred embodiment, the present invention is not limited to the embodiments, and it will be apparent to those skilled in the art that the present invention can be modified in variation within the scope and the spirit of the invention.